

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2005/000646

A. CLASSIFICATION OF SUBJECT MATTER G05B19/4099 G05B19/42		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) G05B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 1 151 778 A (SANYO ELECTRIC CO., LTD) 7 November 2001 (2001-11-07) paragraph [0001] - paragraph [0023] paragraph [0039] - paragraph [0072] paragraph [0119] - paragraph [0150] paragraph [0178] - paragraph [0181] paragraph [0195] - paragraph [0204] paragraph [0217] - paragraph [0246] figures 1,2,4,10-13,20-24 -----	1,10 3-9
X A	US 5 487 012 A (TOPHOLM ET AL) 23 January 1996 (1996-01-23) column 2, lines 44-63 column 4, line 4 - column 8, line 61 figures 3-11 ----- <div style="text-align: center;">-/--</div>	10 1,3-9
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center;">15 March 2006</div>		Date of mailing of the international search report <div style="text-align: center;">22/03/2006</div>
Name and mailing address of the ISA European Patent Office, P.B. 6818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer <div style="text-align: center;">Orobitg Oriola, R</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	DE 101 32 226 A1 (KPV AG, BERN) 16 January 2003 (2003-01-16)	10
A	paragraph [0008] - paragraph [0016] paragraph [0027] paragraph [0034] - paragraph [0040] claims 1,12,13,17 figures 1,3	1,3-8
A	EP 0 163 076 A (KAWASAKI JUKOGYO KABUSHIKI KAISHA) 4 December 1985 (1985-12-04) page 2, line 31 - page 3, line 21 page 4, line 55 - page 5, line 40 claim 1; figures 1,2	1,4-8,10
A	EP 0 348 247 A (KREON INGENIERIE MARKETING) 27 December 1989 (1989-12-27) page 2, lines 5-22 page 2, line 63 - page 3, line 65 page 4, line 52 - page 6, line 53 figures 2,3	1,2,4,5, 10
A	US 4 001 069 A (DIMATTEO ET AL) 4 January 1977 (1977-01-04) column 1, lines 46-63 column 2, line 35 - column 5, line 36 figures 1,5-10	1,6-10
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Information on patent family members

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